BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:-Additional Development Works to Parks and Providing Children Playing and Open Gym Equipments at Lal Bhadur Shastry Layoutin Kempegowda Ward No 01.

Modified Estimate

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Est. Amount: Quantity	Rate in Rs
1	KSRB 2-4 : Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.							
		Cum						
	LBS Park							
	Last Portion Park 1 For Gym Equipments	1.00	15.00	13.00	0.45	87.75		
	Front Portion	1.00	64.00	5.00	0.45	144.00		
	Park 2	1.00	26.00	16.00	0.40	166.40		
						398.15	361.38	143883.45
	Approved Rate	361.38						
2	Fabricating, supplying & erecting M.S. angular Truss for all spans as approved design and drawing. The entire truss is anchored suitably by using 4 Nos. of M.S. anchor bolts at each support, with base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, & hire charges of machineries for cutting, welding, grinding & erection equipments, etc., complete as per specification. (Page No. 43 Item No. 7.30 of CSR 2018-19).							
		Cum						
	Park							
	Pathway All round LBS							
	Park 2	1.00	65.00	1.60	0.25	26.00		
	For Street Light Pole Foundation	22.00	0.75	0.75	1.00	12.38		
	Cable	1.00	389.00	0.45	0.30	52.52		
	GAZEBO							
	Gazibo 1 Size Dia 4.55 (π r2)	1.00	16.00		0.60	9.60		
	Gazibo 2 Size Dia 9 (π r2)2	1.00	38.50		0.60	23.10		
	Platform For Benches	33.00	2.50	1.50	0.30	37.13		
	For Rain-water Harvestig Pits							
	Pits	4.00	1.77		4.00	28.26		
	For PIT Connecting Drain	4.00	2.65	0.45	0.45	2.15		
	For Gym equipment Lalbahadur Shastry Park							
		9.00	1.00	1.00	0.75	6.75		
		1.00	1.00	1.80	0.75	1.35		

	Eastern Side LHS	1.00	11.70	0.20	0.10	0.23		
	Eastern Side RHS	1.00	14.60	0.20	0.10	0.29		
	Southern Side LHS	1.00	17.65	0.20	0.10	0.35		
	Southern Side RHS	1.00	21.20	0.20	0.10	0.42		
	Western Side LHS	1.00	18.65	0.20	0.10	0.37		
	Western Side RHS	1.00	11.85	0.20	0.10	0.24		
	GKVK Layout Kerb Childrens Play Equipment							
	Northern Side	1.00	2.70	0.20	0.10	0.05		
	Western Side	1.00	27.90	0.20	0.10	0.56		
	Eastern Portion 1	1.00	12.15	0.20	0.10	0.24		
	Eastern Portion 2 (Skew Part)	1.00	5.40	0.20	0.10	0.11		
	Eastern Portion3	1.00	15.30	0.20	0.10	0.31		
	Southern Side	1.00	12.60	0.20	0.10	0.25		
	GKVK Park Near Platform							
	Western Side 1	1.00	10.50	0.20	0.10	0.21		
	Western Side 2	1.00	10.50	0.20	0.10	0.21		
	Northern Side 1	1.00	9.00	0.20	0.10	0.18		
	Northern Side 2	1.00	10.50	0.20	0.10	0.21		
	Esaster n Side 1	1.00	12.90	0.20	0.10	0.26		
	Esaster n Side 2	1.00	14.50	0.20	0.10	0.29		
	Rain Water Harvesting							
	Connecting Drain	4.00	2.65	0.45	0.15	0.72		
	Gym equipment All round SSM							
		1.00	16.40	0.25	0.10	0.41		
		1.00	11.00	0.25	0.10	0.28		
		1.00	13.00	0.25	0.10	0.33		
		1.00	6.20	0.25	0.10	0.16		
		1.00	9.15	0.25	0.10	0.23		
	For Gym equipment Lalbahadur Shastry Park							
		9.00	1.00	1.00	0.10	0.90		
		1.00	1.00	1.80	0.10	0.18		
		1.00	3.05	1.25	0.10	0.38		
	For Gym equipment In front of Velpula Pride Apartment Park							
		8.00	1.00	1.00	0.10	0.80		
		1.00	1.00	1.80	0.10	0.18		
		1.00	3.05	1.25	0.10	0.38		
	Flooring Gym equipment area LBS Park	1.00	14.80	10.00	0.15	22.20		

	Flooring Gym Equipments for Gym equipment in front of Velpula Pride Apartment Park							
	Platform for Benches	0.50	26.50	8.50	0.15	16.89		
		33.00	2.55	1.55	0.10	13.04		
	Children Paly Equipment Posts , GKVK Park							
		25.00	0.60	0.60	0.15	1.35		
						67.60	5687.57	384471.20
	Approved Rate	5687.57						
5	KSRB 5.4-3 : Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:6 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications. KBS 5.1.13 (Page No. 23, Item No. - 5.12 of PW;P&IWTD S.R 2016-17)							
		Cum						
	Park							
	Gazebo ParK LBS							
	First Step	2.00	14.25	0.60	0.60	10.26		
	Second Step	2.00	14.25	0.45	0.45	5.77		
	Gazebo Park GKVK							
	First Step	2.00	28.75	0.60	0.60	20.70		
	Second Step	2.00	28.75	0.45	0.45	11.64		
	Gym equipment All round SSM, LBS Park							
		1.00	16.40	0.40	0.40	2.62		
		1.00	11.00	0.40	0.40	1.76		
		1.00	13.00	0.40	0.40	2.08		
		1.00	6.20	0.40	0.40	0.99		
		1.00	9.15	0.40	0.40	1.46		
						57.30	5836.57	334406.28
	Approved Rate	5836.57						
6	KSRRB M2200-5.9. Providing and laying Design mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 including cost of materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. - i) Upto 5 m height.(P.No.227, I.No.28.7.9 of PW, P&IWTD SR 2018-19)							
		Cum						
	Plinth and Flooring for Gazebo ParK LBS							
	Gazibo 1 Size Dia 4.55 (π r2)	1.00	16.00		0.15	2.40		
	Gazibo 2 Size Dia 9 (π r2)2	1.00	38.50		0.15	5.78		
	For Street Light Pole Foundation							

			22.00	0.75	0.75	0.60	7.43		
	Approved Rate		5752.07				15.60	5752.07	89732.29
7	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No. 4.6 of PW, P&IWTD SR2016-17)								
	Park	Cum							
	Gym equipment area Lalbahadur Shastry Park								
		9.00	1.00	1.00	0.60	5.40			
		1.00	1.00	1.80	0.60	1.08			
		1.00	3.05	1.25	0.60	2.29			
	Gym equipment area In front of Velpula Pride Apartment Park								
		8.00	1.00	1.00	0.60	4.80			
		1.00	1.00	1.80	0.60	1.08			
		1.00	3.05	1.25	0.60	2.29			
	Children Paly Equipment, GKVK Park	25.00	0.60	0.60	0.75	6.75			
	Approved Rate	6164.22					23.69	6164.22	145999.55
8	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm. (P.No 112, I.No.14.61.2 of PW,P&IWTD S.R 2018-19)								
	Benches	Sqm							
	Bench Sides 1	33.00	2.55	1.55		130.43			
	Bench Sides 2	44.00	1.55	0.20		13.64			
		22.00	2.55	0.20		11.22			
	Gazibo 1 Dia 4.55 (π r2)	1.00	16.00			16.00			
	Gazibo 2 Size Dia 9 (π r2)2	1.00	38.50			38.50			
	Approved Rate	2200.53					209.79	2200.53	461654.69

9	KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No.407 (P.No155 of I.No.20.20 in PW,P&IWTD SR 2018-19)							
		Cum						
	Park							
	Gazibo 1 Size Dia 4.55 (π r2)	1.00	15.40		0.60	9.24		
	Gazibo 2 Size Dia 9 (π r2)2	1.00	37.90		0.45	17.06		
	Platform for Benches	33.00	2.00	1.00	0.30	19.80		
	Park 2 For Walkway	1.00	64.00	1.55	0.45	44.64		
						90.74	232.40	21086.81
	Approved Rate	232.40						
10	KSRRB M400-17: Providing, laying, spreading and compacting graded stones aggregate to Wet Mix Macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mix method of tipper to site,Laying in uniform layers with paver in subbase/base course on the well prepared surface and compacting with vibratory rollers to achive the desired density complete as per MORTH specification No. 406.etc with all lead and lifts and as per directions of the Engineer-in-charge(Page No:155 Item No: 20.18, of KPWD SR Bangalore Circle 2018-19)							
		Cum						
	Park							
	Park 2 Walkway	1.00	64.00	1.55	0.15	14.88		
	Gazibo 1 Size Dia 4.55 (π r2)	1.00	15.40		0.20	3.08		
	Gazibo 2 Size Dia 9 (π r2)2	1.00	37.90		0.20	7.58		
	Hanuman Temple Park,	1.00	10.50	2.50	0.15	3.94		
		1.00	10.50	2.50	0.15	3.94		
		1.00	13.70	2.50	0.15	5.14		
	In Fron of Park, Entrance	1.00	5.00	2.50	0.15	1.88		
	Beside Temple Area, Entrance	1.00	7.50	1.50	0.15	1.69		
	Tree Cut portion	1.00	2.00	2.00	0.15	0.60		
	Flooring Gym equipment area LBS Park	1.00	14.80	10.00	0.20	29.60		
	Flooring Gym Equipments, Velpula Pride Apartment Park	0.50	26.50	8.50	0.20	22.53		
						94.84	2099.34	199101.41
	Approved Rate	2099.34						

11	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No. 109, I.No. 14.62 of PWD SR 2018-19)								
		Sqm							
	Flooring Gym equipment area LBS Park	1.00	14.80	10.00		148.00			
	Flooring Gym Equipments, GKVK Park	0.50	26.50	8.50		112.63			
	Approved Rate	1369.91				260.63	1369.91	357032.79	
12	KSRB 14.6-1: Providing & laying heavy duty cobble stones 60mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS (P.No 103 of I.No.14.6 in PW,P&IWTD SR 2018-19)								
		Sqm							
	Park 2	1.00	68.00	1.55		105.40			
	Hanuman Temple Park,	1.00	10.50	2.50		26.25			
		1.00	10.50	2.50		26.25			
		1.00	13.70	2.50		34.25			
	Approved Rate	1170.87				192.15	1170.87	224982.67	
13	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (P.No 27 of I.No.5.30 in PW,P&IWTD SR 2018-19)								
		Nos							
	Park 2 Kerb								
	Northern Side LHS	1.00	22.60			22.60			
	Northern Side RHS	1.00	16.90			16.90			
	Eastern Side LHS	1.00	11.70			11.70			
	Eastern Side RHS	1.00	14.60			14.60			
	Southern Side LHS	1.00	17.65			17.65			
	Southern Side RHS	1.00	21.20			21.20			
	Western Side LHS	1.00	18.65			18.65			
	Western Side RHS	1.00	11.85			11.85			
	GKVK Layout Kerb Childrens Play Equipment								

	Northern Side	1.00	2.70			2.70		
	Western Side	1.00	27.90			27.90		
	Eastern Portion 1	1.00	12.15			12.15		
	Eastern Portion 2 (Skew Part)	1.00	5.40			5.40		
	Eastern Portion3	1.00	15.30			15.30		
	Southern Side	1.00	12.60			12.60		
	GKVK Park Near Platform							
	Western Side 1	1.00	10.50			10.50		
	Western Side 2	1.00	10.50			10.50		
	Northern Side 1	1.00	9.00			9.00		
	Northern Side 2	1.00	10.50			10.50		
	Esaster n Side 1	1.00	12.90			12.90		
	Esaster n Side 2	1.00	14.50			14.50		
				In Mts		279.10		
						621.00	453.67	281729.07
	Approved Rate	453.67						
14	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. Item no.24.1 of KPWD S.R Bangalore Circle 2018-2019)							
		Sqm						
	Park 2 Kerb							
	Northern Side LHS	1.00	22.60		0.35	7.91		
	Northern Side RHS	1.00	16.90		0.35	5.92		
	Eastern Side LHS	1.00	11.70		0.35	4.10		
	Eastern Side RHS	1.00	14.60		0.35	5.11		
	Southern Side LHS	1.00	17.65		0.35	6.18		
	Southern Side RHS	1.00	21.20		0.35	7.42		
	Western Side LHS	1.00	18.65		0.35	6.53		
	Western Side RHS	1.00	11.85		0.35	4.15		
	GKVK Layout Kerb Childrens Play Equipment							
	Northern Side	1.00	2.70		0.35	0.95		
	Western Side	1.00	27.90		0.35	9.77		
	Eastern Portion 1	1.00	12.15		0.35	4.25		
	Eastern Portion 2 (Skew Part)	1.00	5.40		0.35	1.89		
	Eastern Portion3	1.00	15.30		0.35	5.36		
	Southern Side	1.00	12.60		0.35	4.41		
	GKVK Park Near Platform							
	Western Side 1	1.00	10.50		0.35	3.68		
	Western Side 2	1.00	10.50		0.35	3.68		
	Northern Side 1	1.00	9.00		0.35	3.15		

Northern Side 2
Esaster n Side 1
Esaster n Side 2

Approve

15

	Northern Side 2		1.00	10.50		0.35	3.68		
	Esaster n Side 1		1.00	12.90		0.35	4.52		
	Esaster n Side 2		1.00	14.50		0.35	5.08		
	Approved Rate		88.96				97.69	88.96	8690.06
15	Fabricating, supplying & erecting M.S. angular Truss for all spans as approved design and drawing. The entire truss is anchored suitably by using 4 Nos. of M.S. anchor bolts at each support, with base plate and shoe plate.The work includes cutting, straightening, placing in position of M.S angle and wleding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, & hire charges of								
	Purlins	Kgs							
	30mmX50mmX3mm	30.00	8.50	--	--		255.00		
	at 3.6 kg/m		3.60				918.00		
	4 No 150mm dia Hollow Circular Pipes	4.00	3.00	--	--		12.00		
	at 18.9 kg/m		18.90				226.80		
	Main members								
	65mmX100mmX6mm	15.00	2.50	--	--		37.50		
	at 15 kg/m		15.00				562.50		
	65mmX100mmX6mm	1.00	7.50	--	--		7.50		
	at 15 kg/m		15.00				112.50		
	Purlins								
	30mmX50mmX3mm	15.00	4.50	--	--		67.50		
	at 3.6 kg/m		3.60				243.00		
	Approved Rate	142.33					2442.30	142.33	347612.56
16	KSRB 8.4-1 : Providing and fixing Mangalore tile roofing using first class tiles with necessary special tiles for ridges and hips, teak wood reepers of size 50x25mm and pointed with cement mortar 1:4 over the existing rafters including cost of materials, labour, curing complete as per specifications. Specification No. KBS 8.17. (P.No. 49, I.No. 8.10 of PWD SR 2018-19)								
	Mangalore Tiles	Sqm							
	Gazebo, LBS Park	1	4.50	--	4.50	20.25			
	Approved Rate	1187.55				20.25	1187.55		24047.89

17	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complate as per specifications.(P 120/ 1.15.74 PW,P & IWTD SR - 2018-19)							
		Sqm						
	Gazibo Circular posts	4.00	2.50	0.52		5.20		
	Purlins and Main Members							
	65mmX100mmX6mm	1.00	12.00	0.33	2.00	7.92		
	65mmX100mmX6mm	1.00	1.00	0.33	7.50	2.48		
	30mmX50mmX3mm	1.00	12.00	0.16	4.50	8.64		
						24.24	105.63	2559.94
	Approved Rate	105.63						
18	Providing and laying reinforced cement concrete pipe NP3 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - 300mm. dia(P.No.254, I No.34.6.1 of PW,P&IWTD S.R 2018-19)							
		MTR						
	Park							
	Pipe Connecting Drain	4.00	2.65			10.60		
						10.60	1705.72	18080.63
	Approved Rate	1705.72						
19	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends, and fixing collars with cement mortar 1:2 including cost of all materials, labour, curing complete as per specifications. Specifications. No. KSRB 1000, 2300 MOST Specification No.1000 / 2300 - - 1200mm dia							
		MTR						
	Park							
	Pipe Connecting Drain	4.00	4.00			16.00		
						16.00	6269.12	100305.92
	Approved Rate	6269.12						
20	Filter media stone aggregate 60mm &down size							
		Cum						
	Park							
	Filter media stone aggregate 60mm &down size							
	3.14*(1.2*1.2)/4 = 1.13	4	1.13		1.20	5.42		
						5.42	1406.77	7630.32
	Approved Rate	1406.77						
21	Crushed stone aggregate 13.2mm to 10mm							
		Cum						
	Park							
	Filter media stone aggregate							
	3.14*(1.2*1.2)/4 = 1.13	4	1.13		1.20	5.42		
						5.42	1456.33	7899.13

	Approved Rate	1456.33						
22	Sand/ Artificial Sand/ Manufactured Sand							
		Cum						
	Park							
	Filter media stone aggregate							
	3.14*(1.2*1.2)/4 = 1.13	4	1.13		0.50	2.26		
						2.26	2123.49	4799.09
	Approved Rate	2123.49						
23	Supplying and Fixing of Garbage bins rectangular with permanent structure series without arch 100litre capacity approved by Engineer in charge							
		Nos						
	Park LBS 1					3.00		
	Park LBS 2					2.00		
						5.00	19354.05	96770.25
	Approved Rate	19354.05						
24	Executive bench made out of sadaralli grey stone with hand suport 3 line finishing with arch desiagn with 100cm slabs height 90% length 45cms (data approved rate)							
		Nos						
	Park 1	5.00				5.00		
	Park 1 - Gazibo	4.00				4.00		
	Park 2	14.00				14.00		
	GKVK Park	15.00				20.00		
						43.00	19091.80	820947.40
	Approved Rate	19091.80						
25	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 70000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 280V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency >130lm/ w, nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by ISO 9001:2015 & any Government certified agency & Design & Development facility certified by ISO 9001:2015. Housing with supplier word mark /name shall be Engraved / Embossed on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect.							

	LBS Park 1 and 2	Nos				22.00		
						22.00	7961.49	175152.78
	Approved Rate	7961.49						
26	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments. 16 sqmm							
		Mtr						
	Park							
	Cable	1	389.00			389.00		
	From Entrance to End Park 1& 2, With Looping							
						389.00	209.04	81316.56
	Approved Rate	209.04						
27	KSRRB 2.6 Providing and filling sand in trenches to required depth including watring ramming with all leads and lift complete as per specifications and directed by the engineer incharge at the site (P-7 I N-2.13 SR 2018-19)							
	Hanuman Temple Park							
	Children Play area	1.00	12.60	15.30	0.35	67.47		
		1.00	12.60	2.70	0.35	11.91		
						79.38	2290.60	181827.83
	Approved Rate	2290.60						
28	Supply & fixing of Arm & Pedal Bike : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates							
		Nos						
	Lal Bhadur Shsatry Park					1.00		
	In front of Velpula Pride Apartment Park					1.00		
	Approved Rate	222912.50				2.00	222912.50	445825.00

29	Supply & fixing of Elliptical Cross Trainer: All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates								
		Nos							
	Lal Bhadur Shsatry Park					1.00			
	In front of Velpula Pride Apartment Park					1.00			
	Approved Rate	183575.00				2.00	183575.00	367150.00	
30	Supply & fixing of Pull Down Challenger : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is								
		Nos							
	Lal Bhadur Shsatry Park					1.00			
	In front of Velpula Pride Apartment Park					1.00			
	Approved Rate	310504.00				2.00	310504.00	621008.00	
31	Supply & fixing of Seated Chest Press : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates								
		Nos							
	Lal Bhadur Shsatry Park					1.00			
	In front of Velpula Pride Apartment Park					1.00			
	Approved Rate	301587.50				2.00	301587.50	603175.00	
32	Supply & fixing of Self Weighted Rower : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates								
		Nos							
	Lal Bhadur Shsatry Park					1.00			

	In front of Velpula Pride Apartment Park					1.00		
						2.00	216356.25	432712.50
	Approved Rate	216356.25						
33	Supply & fixing of HD Double Health Walker : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed							
		Nos						
	Lal Bhadur Shsatry Park					1.00		
	In front of Velpula Pride Apartment Park					1.00		
						2.00	310504.00	621008.00
	Approved Rate	310504.00						
34	Supply & fixing of HD Waist Twister :All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory. All products							
		Nos						
	Lal Bhadur Shsatry Park					1.00		
	In front of Velpula Pride Apartment Park					1.00		
						2.00	170462.50	340925.00
	Approved Rate	170462.50						
35	Fixing and installation of a three person body twister station: Size -131 X 100 X 133CM, that consists of three swivel stands that rotates but with a built in safety limitor that meets international safety standards as the arms and shoulders of the user are held square in the overhead hold that is fixed to a monolithic large arc tube center pillar without convex sides & minimal deformation ergonomically curved. The Center pillar has an OD of 89 mm, the wall thickness is min 3 mm & has a 8mm thick, 40cm gusset support at standard height of 1.4m. All fasteners to be of 304 stainless, Torx Anti Vandal Fasteners, All nuts enclosed in Polyamide Anti Vandal Caps. Finishing to be Metalized / Plasma zinc injection + Dupont / Akzo nobel powder electrostatic							
		Nos						
	Lal Bhadur Shsatry Park					1.00		
	In front of Velpula Pride Apartment Park					1.00		
						2.00	246068.13	492136.26
	Approved Rate	246068.13						

36	Supply & fixing of Tai Chi Spinners : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly							
		Nos						
	Lal Bhadur Shsatry Park					1.00		
	Approved Rate	150793.75				1.00	150793.75	150793.75
37	Supply & fixing of HD Sit Up Station : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly							
		Nos						
	Lal Bhadur Shsatry Park					1.00		
	In front of Velpula Pride Apartment Park					1.00		
	Approved Rate	163906.25				2.00	163906.25	327812.50
38	Supply and fixing of childern Multi Play Equipment with curved silde, tunnel and side panels ; Upright structural posts of height 2.2m, 2.4m are to be HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing.The poles are welded on to a base plate made from steel with 114mm inner diameter. Deck of size 1.45 x 1.45m,Impending stairs of size 0.80m x 0.60m and 1.05 m x 0.68 m are fabricated from 2mm perforated solid punched steel along with a curved Slide of size 1.7m x 1.8m x 1.2m Coupled with the tunnel							
		Nos						
	Lal Bhadur Shsatry Park					1.00		
	In front of Velpula Pride Apartment Park					1.00		
	Approved Rate	257939.66				2.00	257939.66	515879.32

39	Supply and fixing of childern Multi Play Equipment with curved silde, tunnel and side panels : Upright structural posts of height 2.2m, 2.4m are to be HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing.The poles are welded on to a base plate made from steel with 114mm inner diameter. Deck of size 1.45 x 1.45m,Impending stairs of size 0.80m x 0.60m and 1.05 m x 0.68 m are fabricated from 2mm perforated solid punched steel along with a curved Slide of size 1.7m x 1.8m x 1.2m Coupled with the tunnel are made of super thick plasticwhich shelle be animated and rotationally molded from antistatic, copolymer, virgin((LLDPE) which is UV stabilized							
		Nos						
	In front of Velpula Pride Apartment Park					1.00		
						1.00	4069578.72	4069578.72
	Approved Rate	4069578.72						
40	Supply and fixing of childern Play Equipment Fiero A Swing : Shaped structural posts of height 2.31 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. Plastic Components such as swing seats [super thick plastic] shall be animated and shall be rotationally molded from antistatic, copolymer, virgin linear low density UV stabilized polyethylene, with color molded in and minimum thickness of 6 - 8mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges (Data approved rate)							
		Nos						
	In front of Velpula Pride Apartment Park					1.00		
						1.00	133109.71	133109.71
	Approved Rate	133109.71						
41	Supply and fixing of childern Play Equipment Two seater seesaw : The See Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the horizontal rod at the center which is of size 3110 mm length and Dia 114 mm. It consists of 2 seats which is made of LLDPE virgin plastic of size 305mm X 213 mm X 125 mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges (Data approved rate)							
		Nos						
	In front of Velpula Pride Apartment Park					2.00		
						2.00	87568.42	175136.84
	Approved Rate	87568.42						

EIRL-1	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS10178AWS having dimensions bottom .....mm, top....mm with 3mm thick, suitable base plate and 4Nos of ..... long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than								
		Nos						
	Street Light Poles						22.00		
	Approved Rate	7651.00					22.00	7651.00	168322.00
EIRL-2	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. (P.No.42 It.No.6.10.2)16Sqmm								
		Nos						
	Street Light Poles						1.00		
	Approved Rate	270.00					1.00	270.00	270.00
EIRL-3	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be								
		Nos						
	Street Light Poles						1.00		
	Approved Rate	2999.70					1.00	2999.70	2999.70
EIRL-4	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.32 Amps (P.No.25 It.No.5.7.2)								
		Nos						
	Street Light Poles						1.00		
	Approved Rate	174.00					1.00	174.00	174.00
EIRL-5	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. (P.No.27 It.No.5.17.7)								

		Nos						
						3.00		
	Street Light Poles							
						3.00	1715.00	5145.00
	Approved Rate	1715.00						
EIRL-6	Fabricating supplying and mounting MS box made out 16SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks							
		Nos						
	Street Light Poles					21600.00		
						21600.00	0.35	7560.00
	Approved Rate	0.35						
EIRL-7	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility 600mmx600mmx170mm (P.No.31 It.No.5.44.4)							
		Nos						
	Street Light Poles					1.00		
						1.00	12081.00	12081.00
	Approved Rate	12081.00						
						Total		14150085.65
						GST 12%		582460.21
						Total Amount		14732546.00

Technical Sanction
Accorded For 147.32 lakhs
Head of A/C P-3783
CER NO :.....94..... Dt:.26/4/2022